

AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A wafer processing system comprising:  
a loading station;  
a process module chamber maintained at a predetermined pressure during normal operation, the process chamber having a plurality of processing stations; and  
B 1 a first single-wafer load lock directly adjacent to the process chamber module, the first single-wafer load lock having a single wafer support, the first single-wafer load lock being coupled to receive a wafer originating from the loading station.

Claim 2 (currently amended): The system of claim 1 further including a second single-wafer load lock directly adjacent to said process chamber module, the second single-wafer load lock having a single wafer support.

Claim 3 (cancelled)

Claim 4 (original): The system of claim 1 wherein the loading station includes a front-opening unified pod (FOUP).

Claim 5 (original): The system of claim 1 further comprising a robot between the loading station and the first single-wafer load lock.

Claim 6 (original): The system of claim 2 further comprising a pump coupled only to the first and second single-wafer load locks, the pump being located locally on the wafer processing system.

Claim 7 (original): The system of claim 1 wherein the single wafer support of the first single-wafer load lock includes a pedestal having an integral cooling unit.

Claim 8 (original): The system of claim 1 wherein the single wafer support of the first single-wafer load lock includes a single pedestal having an integral heating unit.

Claims 9-12 (cancelled)

Claim 13 (currently amended): A wafer processing system comprising:  
a loading station;  
a process chamber module maintained at vacuum during normal processing;  
a plurality of load locks, each of the plurality of load locks having an opening in direct communication with the process chamber module and another opening in communication with the loading station; and  
a robot between the loading station and the plurality of load locks, the robot capable of transferring a wafer from the loading station to a load lock in the plurality of load locks.

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Claim 14 (original): The system of claim 13 wherein a first load lock in the plurality of load locks is a single-wafer load lock.

Claim 15 (original): The system of claim 14 wherein the first load lock includes a single pedestal having an integrated cooling unit.

Claim 16 (original): The system of claim 14 wherein the first load lock includes a single pedestal having an integrated heating unit.

Claim 17 (original): The system of claim 13 wherein the robot is an atmospheric robot.

Claim 18 (original): The system of claim 13 wherein the loading station is a front-opening unified pod (FOUP).

Claim 19 (currently amended): The system of claim 13 wherein the process chamber module has a plurality of processing stations.

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Response To Office Action

July 24, 2003

B1 Claim 20 (original): The system of claim 19 wherein at least one of the plurality of processing stations is capable of heating a supported wafer.  
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